

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A universal computer-aided design system comprising:
a computer-aided design neutral database ordered into a part family sharing a parameter description between at least two parts within said part family, said database having parameter values within addressable data cells;
a computer-aided design graphics platform operating on readable formatted data unique to said platform;
an export routine capable of conveying the values within the data cells to said platform as readable formatted data independent of translation; and
a computer capable of executing the export routine.

2. (Previously Presented) The universal computer-aided design system of claim 1 further comprising a plurality of said platforms and corresponding export routines wherein each of said plurality of platforms is interactive with said computer-aided design neutral database by said corresponding export routine.

3. (Previously Presented) The universal computer-aided design system of claim 1 wherein a modification to the readable formatted data within said platform updates the values in said computer-aided design neutral database.

4. (Currently Amended) The universal computer-aided design system of claim 1 wherein said computer-aided design neutral database having values is arranged ~~into a~~ with said part family, ~~said part family~~ comprising a plurality of part family member members.

5. (Previously Presented) The universal computer-aided design system of claim 1 further comprising a query routine program prompting a user for input, said program storing the input in said computer-aided design neutral database.

6. (Original) The universal computer-aided design system of claim 4 where said part family member is described by a parameter description having at least one physical property selected from a group consisting of: size, shape, color, material, and weight.

7. (Original) The universal computer-aided design system of claim 5 wherein said parameter description further comprises at least one information packet selected from a group consisting of: part name, part number, price, inventory, manufacturer, and a computer web link to the manufacturer.

8. (Currently Amended) A universal computer-aided design system comprising:
a computer-aided design neutral database ordered into a part family sharing a parameter description between at least two parts within said part family, said database having parameter values within addressable data cells;

a plurality of computer-aided design graphics platforms each operating on readable formatted data unique to said platform; and

a plurality of export routines, corresponding to said plurality of computer-aided design graphics platforms wherein each of said plurality of platforms is interactive with said database by said computer-aided design neutral corresponding export routine.

9. (Previously Presented) The universal computer-aided design system of claim 8 wherein a modification to the readable formatted data within said platform updates the values in said computer-aided design neutral database.

10. (Currently Amended) The universal computer-aided design system of claim 8 wherein said computer-aided design neutral database having values is arranged ~~into a~~ with said part family, ~~said part family~~ comprising a plurality of part family ~~member~~ members.

11. (Original) The universal computer-aided design system of claim 8 further comprising a query routine program prompting a user for input, said program storing the input in the computer-aided design neutral database.

12. (Currently Amended) The universal computer-aided design system of claim 11 where said ~~part family member is described by a~~ parameter description ~~having~~ has at least one physical property selected from a group consisting of: size, shape, color, material, and weight.

13. (Original) The universal computer-aided design system of claim 12 wherein said parameter description further comprises at least one information packet selected from a group consisting of: part name, part number, price, inventory, manufacturer, and a computer web link to the manufacturer.

14. (Currently Amended) A universal computer-aided design system comprising:
a computer-aided design neutral database having values within addressable data cells;
a file created from said computer-aided design neutral database ordered into a part family sharing a parameter description between at least two parts within said part family in a computer-aided design neutral file format;

a computer-aided design graphics platform operating on readable formatted data unique to said platform;

an export routine capable of conveying the values within said file to said platform as readable formatted data independent of translation;

an import routine capable of conveying values from said platform as readable formatted data independent of translation; and

a computer capable of executing the export and import routines.

15. (Original) A process for computer-aided design rendering comprising the steps of:

storing values within addressable data cells of a computer-aided design neutral database;
and

delivering the values to one of a plurality of computer-aided design graphics platforms in a format readable by one of said graphics platforms independent of translation.

16. (Original) The process of claim 15 further comprising the step of updating said computer-aided design neutral database from said computer-aided design graphics platform.

17. (Previously Presented) The process of claim 15 further comprising the step of performing parametric modeling prior to updating said computer-aided design neutral database.

18. (Currently Amended) The process of claim 15 wherein values stored within said computer-aided design neutral database are arranged ~~into a~~ with said part family, ~~said part family~~ comprising a plurality of part family ~~member~~ members.

19. (Currently Amended) The use of a computer-aided design neutral database ordered into a part family sharing a parameter description between at least two parts within said part family for exporting parameters to a first graphics platform, said computer-aided design neutral database receiving updated data from said first graphics platform and displaying said updated data on a second disparate graphics platform independent of translation.

20. (Previously Presented) The use of a computer-aided design neutral database according to claim 19 wherein said first and said second graphics platforms are computer-aided design platforms.

21. (Previously Presented) The process of claim 15 further comprising the step of inputting data into said computer-aided design neutral database through one of said plurality of computer-aided design graphics platforms.